

Laboratory Intertek India Private Limited, F Wing, Tex Centre, 3<sup>rd</sup> Floor, 26-4, Chandivali Farm Road, Andheri – East, Mumbai, Maharashtra

Accreditation Standard ISO/IEC 17025: 2017

Certificate Number TC-8205 (in lieu of T-4316)

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Validity 15.12.2018 to 14.12.2020

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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### CHEMICAL TESTING

I.	FOOD AND AGRICULTURAL PRODUCTS			
1.	Oils and Fats (Crude & Refined)	Moisture, Insoluble Impurities & Volatile Matter	IS 548 (Part I)	0.01% to 10%
		Free Fatty Acids	IS 548 (Part I)	0.01% to 20%
		Iodine Value	IS 548 (Part I)	1 to 150
		Acid Value	IS 548 (Part I)	0.01 to 35
		Peroxide Value	IS 548 (Part I)	1 meq/kg to 25 meq/kg
		Unsaponifiable matter	IS 548 (Part I)	0.01% to 5%
2.	Oil Seeds	Moisture	IS 3579	1 % to 15%
		Oil content	IS 3579	10 % to 80%
3.	Spices & Condiments	Moisture	IS 1797	0.1% to 20%
		Total Ash	IS 1797	0.1% to 20%
		Acid Insoluble Ash	IS 1797	0.01% to 5%
4.	Cereals & Pulses (Food Grains)	Moisture	IS 4333 (Part II) ISO 712:2009	1% to 20%
		Foreign Matter	IS 4333 (Part I)	0.1% to 40%
		Damaged	IS 4333 (Part I)	0.1% to 40%
		Broken	IS 4333 (Part I)	0.01% to 40%
		Other food grains	IS 4333 (Part I)	0.01% to 15%
		Chalky	IS 4333 (Part I)	0.1% to 10%
5.	SUGAR Refined / White	Moisture	ICUMSA GS 2/1/3/9-15 (2007) IS 15279	0.01% to 0.5%
		Colour – 8	ICUMSA GS 9/1/2/3-8 (2011)	1 IU to 300 IU
		Colour – 9	ICUMSA GS 2/3-9 (2005)	1 IU to 300 IU

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		Colour – 10	ICUMSA GS 2/3-10 (2011) / IS 15279:2003 (RA 2018)	1 IU to 300 IU
		Insoluble matter	ICUMSA GS 2/3/9-19 (2007)	1 mg/kg to 400 mg/kg
6.	SUGAR Raw / Brown	Moisture	ICUMSA GS 2/1/3/9-15 (2007); IS 15279	0.01% to 2%
		Colour – 7	ICUMSA GS 1/3-7 (2011)	200 IU to 2000 IU
		Colour – 8	ICUMSA GS 9/1/2/3-8 (2011)	200 IU to 2000 IU
		Insoluble matter	ICUMSA GS 2/3/9-19 (2007)	1 to 800 mg/kg
II.	<b>ANIMAL FOOD &amp; FEEDS</b>			
1.	Feeding Stuffs	Moisture / Moisture & other Volatile matter	ISO 6496 (GAFTA 2018) IS 7874 (Part I) IS/ISO 6496	1% to 20%
		Fat / Oil	ISO 6492 (GAFTA 2018) IS 7874 (Part I) IS/ISO 6492	0.1% to 5%
		Crude Ash	ISO 5984:2002 (GAFTA 2018) IS 14827/ ISO 5984 IS 7874 (Part I)	0.1% to 20%
1.	Feeding Stuffs	Protein	IS 7874 (Part I) IS/ISO 5983-1 ISO 5983-1 (Corr. – 1) (GAFTA 2018)	10 %to 60%
		Crude Fibre	IS 7874 (Part I) IS/ISO 6865 ISO 6865 (GAFTA 2018)	0.1% to 20%

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		Ash Insoluble in Hydrochloric acid / Acid Insoluble Ash	IS 7874 (Part I) IS 14826:2000 / ISO 5985 ISO 5985 (GAFTA 2018)	0.01% to 10%
III.	<b>FERTILIZERS</b>			
1.	<b>Potassium Sulphate</b>	Moisture	FCO 1985 (Amnd. 2018)	0.1 % to 3%
		Sulphate Sulphur as S	FCO 1985 (Amnd. 2018)	10% to 25%
		K <sub>2</sub> O Content / Water soluble K <sub>2</sub> O	FCO 1985 (Amnd. 2018)	1% to 70%
2.	<b>Rock Phosphate</b>	Moisture	IS 11224 FCO 1985 (Amnd. 2018)	0.1% to 5%
		P <sub>2</sub> O <sub>5</sub> Content (on Dry Basis)	IS 11224	15% to 50%